

EE/CpE 423

Senior Design

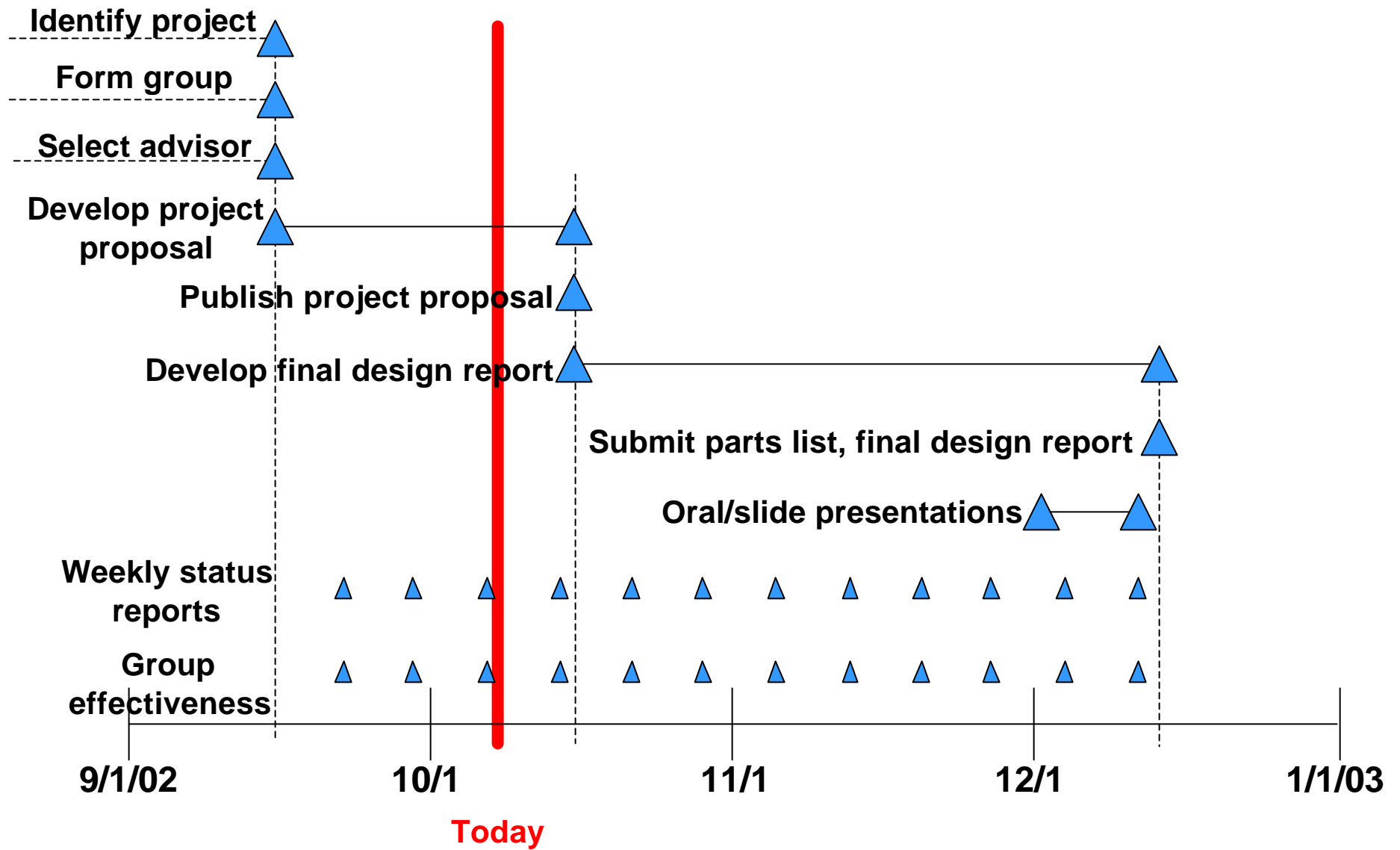
Fall 2003

Class 5 – 10/7/03

Agenda

- Task schedule
- Group status
- Upcoming items

Senior Design Tasks – Fall '03



Senior Design Groups/Projects

Group	Title	Members	Advisor	Sponsor
1	Wireless Biomedical Sensor	Ramcharan , Bahadur, Bacchus, Garces	Wetzel	
2	Environment Aware GPS	Dong , McGann, Taylor, Flores, Soni	McNair	
3	Mobile MP3 Player	Menafr , Khurana, Rashkin, Komitee, Frank	McNair	
4	Real-time inventory using RFID	Israel , Bernard, Bawa, Kocherov, Ferjuste	Man	
5	Thumb-thing	Podolsky , Andrews, Willis, Ayala	McNair	
6	Software Defined Radio	Assefa , Issacs, Kan, Chen, Guevara	Yao	
7	Automatic Mailbox Notification System	Varianides , Cianchetti, Chamberlain	Man	
8	Solid State Hard Drive	Kautzmann , Maroulis, Ciarcia, Lau, Peterman	McNair	
9	GPS Mass Transit Tracker	Zimmer , Khiami, Pitera	McNair	
10	Trans-verbal-ator	Odu , Blake, Guzman, Ogude, Reyes	Man	
11	Game Boy TV Tuner	Diaz , Afalla, Santos, Gray, Chong-Qui	Tewksbury	

Senior Design Groups/Projects

Group	Title	Members	Advisor	Sponsor
12	DBNS Filters	Hammer , Ostman, Maleh	Li	
13	Intelligent SMS Ordering System	Summulong , Chau, G.Lee (Biz Tech), Park, Qureshi, Vivar	Ghosh	
14	Hexaphonic Digital Mixer	Kennedy , Keller, Maikish, Ancipiuk(??) , Pour Manouchehri	Man	
15	Bluebird	Chea , Cohen, Henin, Sandoval, Szus	Kiss	
16	Network Bandwidth Monitor	Burrows , Folcik, Labruno, Alvarez	Ghosh	
17	Voice Activated Remote Control	S.Shah , Chung, Keyler, J.Shah	Man	
18	Traffic Light	Marques , DeMarco(CS), Malron(CS), Karounis(CS), Mikola(CS), Hu(CS), DeAngelis(CS)	Bernstein	
19	FRANN – Face Recognition using Artificial Neural Networks	U.Khurshid , A.Khurshid, Prophete	Man	

Senior Design Groups/Projects

Group	Title	Members	Advisor	Sponsor
20	Intelligent Cellular Telephone Docking Station	Rassam , Plum, Bazil(TM), Misra, Svoboda	McNair	
21	Parking Assistant	Firner , Krupnick, Grillman, Nizberg	Man	
22	AUV	Voightland , DesLoges, Genao, Vadakkedam, Christian, Siddiqui	Blicharz	
23	*FLASH* Video Game System	Kupferberg , Martinez, Barrigas, Gujral, Amador (BizTech)	Chandramouli	
24	Programmable Sculpture	S.Lee , Benson, C.Chang(ME), S.Lawrence (ME), K.Brandon(ME)	Ghosh(ECE), Shapiro(ME)	
25	Vehi-Track	Yulo, Lyding, Beauchamp, Bedirhanoglu, Ibrahimiyeh	Turelli	

Lists as of 5:00 p.m 10/7/02

105 ECE students

Senior Design Students Not Yet Known To Be In A Project Team



Bil
Fishman
Handrinos
McKinney
Saraceni
Stander
West
White

8 students not yet in groups

Group Churn

- The random movement of students between Senior Design groups reduces the chances for success as groups need to reassign tasks to entering and leaving members. In the limit, the group spends all of its efforts on this fruitless activity.
- Assume that you and your group have mutually decided that the association is absolutely not workable:
 - I need
 - Email from you requesting a change in groups
 - Email from the soon-to-be-former group leader and faculty advisor(s) agreeing to the change
 - Email from the soon-to-be-new group leader and faculty advisor(s) agreeing to the change
- Your final Senior Design grade will be based on a time-weighted average of the grades for the groups you were in
- It is easier to do this sooner, rather than later.

Next Week's Deliverable

- Project Proposal
 - Format, content:
http://www.ece.stevens-tech.edu/sd/material/Project_Proposal.pdf
 - Hard copy due to your advisor and me next Tuesday, 10/14
 - Next Tuesday is Monday (*no Senior Design class*) – reports can be handed to me, slipped under my door, or given to Cecilia in the ECE office.
 - Focus on requirements, implementation alternatives, (current) preferred approach. Final decisions are not needed until the Final Project Proposal in December.

Other things you should be working on

- Project web site
 - Get it up and working now so you can refine it later when it will be graded.
 - Must include all group deliverables (not group effectiveness reports)
 - Research and other information links
 - All content must be on panda.ece.stevens-tech.edu
 - If you are developing or hosting at another site, the panda site must mirror other content (i.e., do not link panda site to off-site content - we can't archive off-site content)
- Final presentation
 - As you develop your project concept, think how you will present the idea
 - Primary presentation schedule will be December 2 and 9 (Tuesday) from 3-6. December 11 (Thursday) will be used as needed.
 - More details on presentation will be provided later – assume 15-20 minutes; all group members must be present.